

I. Site Specifics

Vasquez Boulevard and I-70

FY 2020

Updated: 12/13/2019

Site Location: City and County of Denver, Denver, Colorado**EPA ID:** CO0002259588**SSID:** 089R**NPL Status:** Final**Section Chief:** A – Steve Wharton**Lead:** EPA**Funding Lead:** Mixed

II. Executive Summary

Note to RPM: Write this section last and roll up any considerations for management.**Management considerations:** Based on your site strategy, what are the current issues for this year and resource needs that you want management to be aware of?

OU1 – Implement the 5YR recommendations and evaluation of the property notices.

OU2 – Start the iROD or the update to the RI

OU3 – Award the contract

- *Top priority you are currently working on and resource needs to achieve the priority—consider the following*
 - *Phase of work—where are you in the process?*
 - *Emerging contaminants*
 - *Community and/or political/media risks/interest*
 - *Environmental Justice concerns*
 - *Human health risk*
- *Other priorities at the site—include the following headings, if applicable*
 - *Milestone meetings*
 - *HQ consultations*
 - *Political interest/special status*
 - *Funding request and funding schedule*
 - *What can be achieved technically with ideal funding?*
 - *Planned support and acquisition (award to RAF, use of IAs currently in place, SSC, CA, other)*
 - *What are the risks if ideal funding is not available?*
 - *Anticipated internal FTE resource needs*
 - *Tech support*

- CIC
- Legal
- Project risks
 - State issues
 - PRP disputes
 - Federal Facility disputes

III. Site Background

Brief site description: In one paragraph, what caused this to become a superfund site? Use content from Background section of site profile page if it is sufficient and include link to page here.

The Vasquez Boulevard & Interstate 70 (VB/I-70) Superfund site is located in northeast Denver, Colorado. Historically, the area was a major smelting center for the Rocky Mountain West. Two smelting plants—Omaha & Grant and Argo—operated at the site for varying lengths of time, beginning as early as the 1870s, refining gold, silver, copper, lead and zinc. As a result, heavy metals were deposited in area soils at levels that, in some cases, posed a health risk to people living there. Groundwater was also impacted at the former smelter locations.

<https://www.epa.gov/superfund/vb-i70>

IV. Site Strategy

Site completion strategy: Describe future activities needed to achieve site completion, organized by OUs.

OU2

If Denver decides to perform the expedited cleanup on the parking lot of the Denver Coliseum, we need to:

- Summarize the data collected until today
- Publish the Proposed Plan for public comment
- Respond to comments and finalize the proposed plan
- Publish the ROD
- Denver implements the remedial action with EPA and CDPHE supervision
- Develop the scope to investigate the remaining areas at OU2 and continue with the steps below.

If Denver decides that they will not perform the expedited cleanup:

- Finish the scope for the remedial investigation
- Perform soil, soil-vapor and groundwater sampling. After the soil and soil-vapor sampling is complete, check the data to determine the next phase of soil and soil-vapor sampling. Groundwater data

collection and evaluation might take over two years. Check for groundwater data gaps.

- Once the soil, soil-gas and groundwater sampling are complete, request Denver to write the FS.

Review, share and approve.

- Publish the Proposed Plan for public comment
- Respond to comments and finalize the proposed plan
- Publish the ROD
- Denver implements the remedial action with EPA and CDPHE supervision

State may disagree with Denver's expedited cleanup strategy.

OU3

- Award the contract and perform the FS. The contract has optional sampling and treatability study.
- Publish the Proposed Plan for public comment
- Respond to comments and finalize the proposed plan
- Publish the ROD
- Denver implements the remedial action with EPA and CDPHE supervision

Consider the following

- *Start/complete RI at lower priority portions of the site*
- *Deletion of buffer areas that are UU/UE*
- *Making future remediation decisions*
- *Putting ICs in place*
- *Reduce O&M costs through renewable energy*

Site objectives and priorities in the near term (1 to 3 years): Focused goals supported by this strategy, prioritized on technical and policy considerations.

Ex. 5 Deliberative Process (DP)

Consider the following

- *Reduction of risk (human/eco)*
- *IC implementation*
- *Complete or start an RI*
- *Full or partial site deletion*

- *Reuse, sustainability, green remediation*
- *Data gaps and needs, QA*
- *Environmental Justice issues*
- *FYR issues and recommendations*
- *Enforcement*
- *Optimization*

Targets for FY 2020:

Choose GPRA target

Enter additional target (if needed)

Choose SCAP target

Enter additional target (if needed)

Choose FF target

Enter additional target (if needed)

Strategic plan to achieve your objectives: Proposed steps within EPA's control to move the site along to achieve the identified objectives. This includes any support and mechanisms to achieve the steps.

OU2: Wait for Denver's decision

OU3: Award the contract

Consider the following:

- *Elevate*
- *State lead*
- *Enforcement mechanisms*
- *Need for technical, legal, CIC support*
- *PRP searches*
- *Cost recovery*
- *Settlement negotiations*

Additional considerations: Use this section to capture key issues and their impact to the project. Are there varied approaches to getting the work done? Key ideas to achieving site objectives.

None

Consider the following

- *Leveraging BFPPs, encouraging PRPs, current owners (i.e. getting others to do the work)*
- *Removal program, EE/CA*
- *Partial deletion*
- *Interim actions/early actions*
- *Reuse, sustainability, green remediation*
- *Adaptive management*

V. Snapshot

Sitewide Status

Construction Complete	Last FYR	Human Exposure EI Status	GW Migration EI Status	SWRAU	Deletion
Enter date	2019-09-25	HEID	GMID	Enter date	Enter date

OU Summary (click the ✚ after the last row to add more OUs)

OU	OU Name	RI/FS Start	Decision Document?	RD Start/ Complete?	RA Complete?	ICs Implemented?	Cleanup Standards Achieved?	Partial Deletion?
1	Soils	Enter date	2003-09-25	Enter date	2017-06-30	2014-06-30	2017-06-30	2019-09-30
2	Omaha & Grant	2009	Enter date	Enter date	Enter date	Enter date	Enter date	Enter date
3	Argo Smelter	2007	Enter date	Enter date	Enter date	Enter date	Enter date	Enter date

Current Acquisition Status (click the ✚ after the last row to add new row)

Contract Vehicle (Contract, IA, SSC, CA)	Type of Funding (special account, pipeline, RA)	Current Support (START contractor, IA, RAC)	Description of Work, including OU	Period of Performance
WA No.: 123-RICO-089R, Contract EP-W-06-006	pipeline	Enter text	None	Enter text

Special Account Status (click the ✚ after the last row to add new row)

Account	Amount	Uses/Limitations
089R	\$12,682.98	AOC001 2001-13 (Asarco); SA language OK. Asarco bankruptcy settlement CD-2 #05-21207. Unliquidated obligation occurred in September 2017.
089R02	\$1,125,011.97	AOC001 2001-13 (Asarco); SA language OK. Asarco bankruptcy settlement CD-2 #05-21207. The Asarco bankruptcy settlement is restricted to OU2 only.
089RDB	\$37,650.70	This is a disbursement account only to the City and County of Denver.

Project Management Plan

Note: This document may be shared with states and other entities.

Planned Support Acquisition (award to RAF, use of IAs currently in place)

(click the ✚ after the last row to add new row)

Contract Vehicle (Contract, IA, SSC, CA)	Type of Funding (special account, pipeline, RA)	Description of Work	Date Needed
RAF, DES	Pipeline	OU3 FS report with possible field work and pilot project. Support for proposed plan and ROD issuance.	Enter date

Team Members (click the ✚ after last row to add new team members)

Title	Name
RPM	Jesse Avilés
Site Attorney	Mark Chalfant
Enforcement Specialist	Julie Nicholson
Hydrogeologist	Ian Bowen
Risk Assessor – Human	Wendy OBrien
Risk Assessor – Eco	Enter name
CIC	Jennifer Chergo
Project Officer	Richard Braun
Contracting Officer	Richard Braun
Other Technical Support	Enter name
Other Support	Enter name
State Project Manager	Fonda Apostolopoulos
State Attorney	Enter name
State Hydrogeologist	Enter name
State Risk Assessor	Enter name
State CIC	Enter name
State – other	Enter name
Enter title	Enter name

External Parties and Stakeholders (click the ✚ after last row to add new row)

Role (community, municipality, NGO, other federal/state partners)	Name	email	Phone Number
PRP	Agatha Linger	Agatha.Linger@denvergov.org	720-865-5356

OU/Decision Document Summary (click the + after last row to add rows)

OU # / SEMS name / common name	Document Date	Description	RAOs	Remedy
1 / Vasquez Blvd. I-70 Record of Decision (ROD) Operable Unit 1 Residential Soils / 2005189	2003-09-25	Enter text	The remedial action objectives (RAOs) for arsenic in soil are:• For all residents of the Site, prevent exposure to soil containing arsenic in levels predicted to result in an excess lifetime cancer risk associated with ingestion of soil which exceeds 1×10^{-4} , using reasonable maximum exposure assumptions.• For all residents of the Site, prevent exposure to soil containing arsenic in levels predicted to result in a chronic or sub-chronic hazard quotient (HQ) associated with ingestion of soil that exceeds a HQ of 1, using reasonable maximum exposure assumptions.• For children with soil pica behavior who reside in the Site, reduce the	Soil removal, community health program, biomonitoring

Project Management Plan

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OU # / SEMS name / common name	Document Date	Description	RAOs	Remedy
			potential for exposures to arsenic in soil that result in acute effects. The RAOs for lead in soil are:• Limit exposure to lead in soil such that no more than 5 percent of young children (72 months or younger) who live within the Site are at risk for blood lead levels higher than 10 micrograms per deciliter (µg/dL) from such exposure. This provides 95% confidence that children exposed to lead in soil will be protected.	
1 / Explanation of Significant Differences / 1552122	2014-09-30	Enter text	Adds IC at properties that denied access for sampling or cleanup.	Institutional control

COC table from decision documents (click the ✚ after last row to add new row)

OU	COCs	Cleanup goal or standard e.g. SDWA MCL
1	Lead	400 mg/kg
1	Arsenic	70 mg/kg

Enforcement agreements (click the ✚ after last row to add new row)

Project Management Plan

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OU	Agreements in Place (CD, AOC, UAO, FFA)	Date	Entity	Scope
2	AOC CERCLA-08-2008-0011 (SEMS 1079629)	2008-09-30	City and County of Denver	Remedial investigation and feasibility study at OU2
2	AOC 08-2015-0006 (SEMS 1566188)	2015-07-01	City and County of Denver	Removal action for the environmental components of the construction of stormwater channel within OU2

VI. Appendices

- Map and site location
- IC map(s)
- SCAP-02
- EI Worksheets